

Converting Colors

$Y_{xy}(33.2726, 0.2352, 0.3607)$

Have a look what the booklet for
Yxy(33.2726, 0.2352, 0.3607)
contains.

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Color

Yxy(33.2134, 0.2352, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	11AF9D
RGB	17, 175, 157
RGB Percent	7%, 69%, 62%
CMY	0.9338, 0.3137, 0.3843
CMYK	0.90, 0.00, 0.10, 0.31
HSL	173°, 82%, 38%
HSV	173°, 90%, 69%
XYZ	21.6453, 33.2134, 37.1707
YIQ	125.7060, -88.3900, -39.0940

Conversions

Conversions Part 2

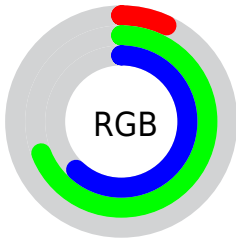
Format	Color
RYB	17, 101, 175
Decimal	1159069
CIELab	64.33, -40.93, -1.27
CIElCh	64, 40.948, 181.783
Yxy	33.2134, 0.2352, 0.3609
Android (android.graphics.Color)	4279349149 (0xFF11AF9D)
YUV	125.7060, 15.4279, -95.3352
Hunter-Lab	57.6311, -33.8126, 2.1011

Details

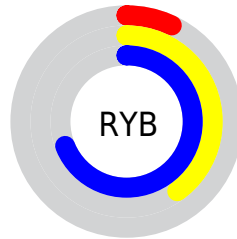
The Yxy color **33.2134, 0.2352, 0.3609** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6320, 0.6001, 0.3180**, and the grayscale version is **20.7155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5076, 0.2503, 0.3551**, and **14.9597, 0.2358, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **33.0316, 0.2346, 0.3646**, and if you desaturate by 10%, it is **33.5117, 0.2372, 0.3570**.

Distribution



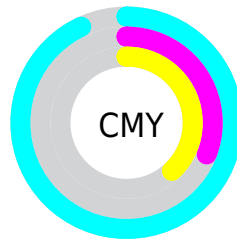
- Red (7%)
- Green (69%)
- Blue (62%)



- Red (7%)
- Yellow (40%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)





- Cyan (93%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2134, 0.2352, 0.3609 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.2134, 0.2352, 0.3609 by changing the saturation by 10% instead.


 33.2134, 0.2352,
0.3609


 33.2134, 0.2352,
0.3609


316.6102, 0.2756,
0.3444

 22.2900, 0.2246,
0.3651


 64.7086, 0.2503,
0.3548


 14.0701, 0.2108,
0.3707


 86.0491, 0.2558,
0.3526


 8.1695, 0.1919,
0.3781


 111.6307, 0.2605,
0.3507

 4.2036, 0.1650,
0.3884

 141.8380, 0.2644,
0.3490

 1.7881, 0.1160,
0.4073

 177.0551, 0.2678,
0.3477

 0.4797, 0.0000,
0.4397

 217.6666, 0.2707,

 0.0000, 0.0000,

0.3464

0.0000

264.0569, 0.2733,
0.3454

■ 33.2134, 0.2352,
0.3609

■ 33.2134, 0.2352,
0.3609

■ 33.0316, 0.2346,
0.3646

■ 33.5117, 0.2372,
0.3570

■ 33.9616, 0.2409,
0.3531

■ 34.5847, 0.2466,
0.3492

■ 35.3979, 0.2541,
0.3454

■ 36.4163, 0.2633,
0.3417

■ 37.6534, 0.2739,
0.3382

■ 39.1216, 0.2858,
0.3349

■ 40.8324, 0.2987,
0.3319

■ 42.7963, 0.3122,
0.3291

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2134, 0.2875, 0.4208



33.2134, 0.2352, 0.3609



33.2134, 0.2051, 0.2965

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.2134, 0.2352, 0.3609



33.2134, 0.2667, 0.2340



33.2134, 0.4372, 0.3907

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.2134, 0.2352, 0.3609



9.6320, 0.6001, 0.3180

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.2134, 0.4335, 0.3422



33.2134, 0.2352, 0.3609



33.2134, 0.3288, 0.2569

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.2134, 0.2352, 0.3609



33.2134, 0.2220, 0.2310



33.2134, 0.3922, 0.2952



33.2134, 0.4051, 0.4309

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.2134, 0.2352, 0.3609



33.2134, 0.1995, 0.2636



33.2134, 0.3922, 0.2952



33.2134, 0.4404, 0.3749

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.2147, 0.2352, 0.3609



68.1486, 0.2773, 0.3373



31.0651, 0.3052, 0.5876



14.9638, 0.2734, 0.3384



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2147, 0.2352, 0.3609



59.1335, 0.2348, 0.3653



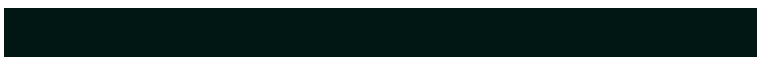
15.3353, 0.1944, 0.2126



9.0562, 0.3001, 0.3316



23.6591, 0.2345, 0.3642



0.6625, 0.2312, 0.3524

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.6320, 0.6001, 0.3180



16.3966, 0.6282, 0.3234



14.5309, 0.5495, 0.3901



8.0296, 0.3269, 0.3264



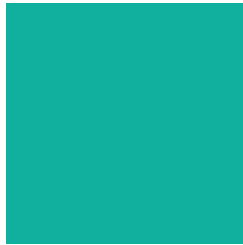
6.5677, 0.6238, 0.3210



0.1873, 0.5677, 0.2901

Previews

White Background



This preview shows how the Yxy color 33.2134, 0.2352, 0.3609 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.2134, 0.2352, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

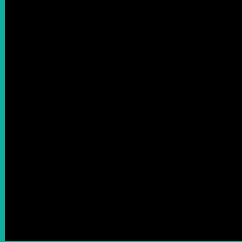
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2134, 0.2352, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 33.2134, 0.2352, 0.3609.

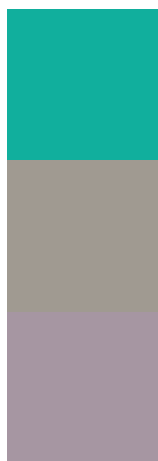


This preview shows how white text looks on a background with the Yxy color 33.2134, 0.2352, 0.3609.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.2134, 0.2352, 0.3609

Protanopia

32.6291, 0.3272, 0.3426

Deuteranopia

32.5283, 0.3176, 0.3116



Tritanopia

33.2329, 0.2252, 0.3056

Trichromacy



Original Color

33.2134, 0.2352, 0.3609



Protanomaly

31.1987, 0.2759, 0.3510



Deuteranomaly

30.7791, 0.2703, 0.3272



Tritanomaly

32.9753, 0.2279, 0.3236

Monochromacy



Original Color

33.2134, 0.2352, 0.3609



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.7311, 0.2643, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2134, 0.2352, 0.3609 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(17, 175, 157)` looks like.

```
.text, #text, p{  
    color:rgb(17, 175, 157)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(17, 175, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 175, 157) }
```

Border

The CSS property to change the border of an element to Yxy 33.2134, 0.2352, 0.3609 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(17, 175, 157) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(17, 175, 157) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(17, 175, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 175, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 175, 157);  
box-shadow:4px 4px 4px 4px rgb(17, 175,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2134, 0.2352, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 175, 157) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(17, 175,  
157) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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